



MOLECULAR IMAGING AND NUCLEAR MEDICINE

Diagnostic Solutions



Define Efficiency and Improve Patient Care

Why MIM Software?

MIM Software provides indispensable solutions that organize and improve department workflows for centers with diverse software and equipment. Through constant innovation, MIM Software continues to develop technologies that exceed the expectations of clinicians and hospital administration.

THE NUCLEAR MEDICINE DIAGNOSTIC WORKFLOW



At every step of the Nuclear Medicine clinical workflow, MIM Software has a solution tailored to your needs.

Standardize the Nuclear Medicine Workflow

A Central Solution

MIM Software offers a comprehensive suite of applications that support Radiology and Nuclear Medicine’s important role in the patient care pathway. MIM Software products emphasize the importance of clinical efficiency, quantitation, and collaboration, helping to drive data empowered decisions that provide physicians with the necessary information needed to generate confident clinical guidance and inform effective treatments.



Image Acquisition

Standardize the imaging department from the start with a single, vendor-neutral reconstruction solution — **SPECTRA Recon**®, available in **MIM Encore**® — and help physicians gain new insights and capture new reimbursement opportunities with **SPECTRA Quant**®.



Image Interpretation

New radiotracer technology requires specialized viewing techniques that PACS systems won’t provide. Comprehensive and efficient, MIM Encore provides physicians with an intuitive interface to tackle the busiest workloads with ease. Flexible **MIM Workflows™** keep you prepared for the next generation of radiotracer technology.



Image Processing

Give technologists a modern software solution that can handle the full imaging workload and take on new imaging protocols without paying for an expensive hardware or software upgrade.



Report Generation

Overcome the shortcomings of SUVmax with new diagnostic tools to provide referrers with better insights. Capture the latest, relevant therapy response information in data-rich reports, and send it to PACS for better communication with referrers.



Read Preparation

Fetch prior imaging, prepare cases to be read, and suspend work in a presentation state automatically with **MIM Assistant**®.



Remote Solutions

Read at home or on the road. Whether you’re catching up on a busy caseload, conducting research, or maintaining productivity when unforeseen events occur, MIM’s **flexible deployment options** allow for unprecedented image access — anytime, anywhere.



IMAGE ACQUISITION

SPECT/CT Reconstruction and Quantitation

Reconstruct Virtually Any Image from Any Manufacturer

SPECTRA Recon, featured in **MIM Encore**, offers a vendor-neutral SPECT reconstruction method, including iterative reconstruction, attenuation correction, energy window-based scatter correction and resolution recovery for **virtually any camera manufacturer**.

Go Quantitative to Capture Therapy Response

SPECTRA Quant enables the conversion of counts to activity (Bq/ml and SUV) through a vendor-neutral SPECT reconstruction method, including iterative reconstruction, attenuation correction, energy window-based scatter correction, and resolution recovery.

Preserve Department Resources for the Most Impactful Clinical Tasks

Increase image throughput and reduce patient dose with **half-time, half-dose imaging**, available in SPECTRA Recon, featured in MIM Encore.

Intelligent Image Automated Processing

Reduce Errors and Improve Consistency

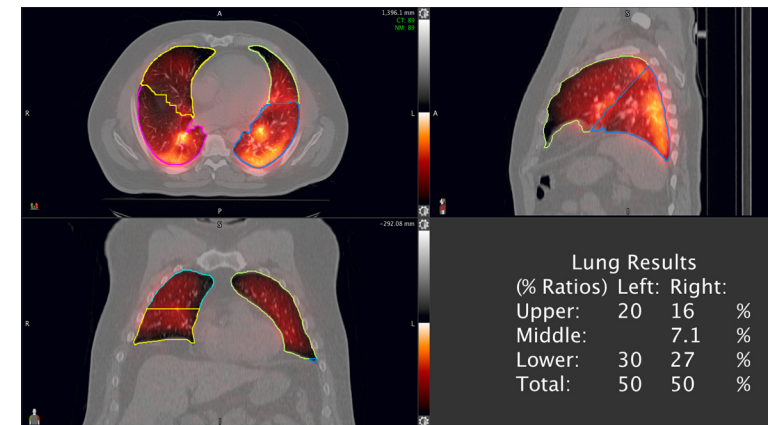
MIM Workflows, available in MIM Encore, are engineered to provide clinicians with consistent and reproducible results for all clinical Nuclear Medicine and Molecular Imaging studies.

Support for the Imaging Protocols of Today and Tomorrow

MIM Encore includes a **comprehensive catalog** of processing workflows for every type of Nuclear Medicine exam, and easy access to **software upgrades** mean you'll never fall behind due to an expensive software or hardware upgrade.

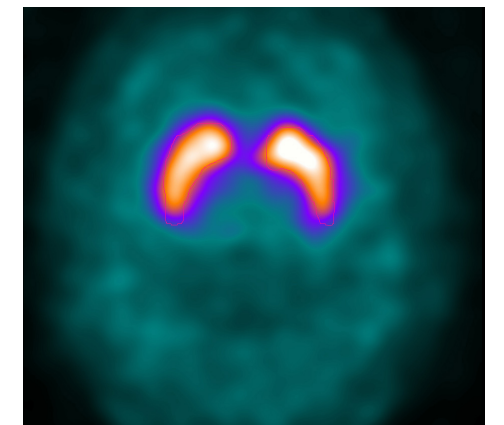
Support for image post-processing available in MIM Encore includes, but is not limited to:

- Renal MAG3
- Lung Shunt
- Gallbladder
- Lung V/Q
- MUGA
- Gastric Emptying
- HIDA
- Thyroid
- Parathyroid
- Bone Scans



3D SPECT/CT Lung Quant

MIM Encore includes helpful tools for segmentation and quantification that support lung SPECT perfusion imaging.



DaTscan™

View any SPECT image in MIM Encore. Quantification for DaTscan imaging is available in MIMneuro®.



“Transitioning to a new system is never easy, especially within an extensive hospital network like ours. Before implementing MIM, we used various OEM hardware and software at our different facilities.

Over the past year, we have phased out those systems and replaced them with MIM. Their dedicated support team has optimized our workflows to standardize image processing and provide consistent output from every location, regardless of the camera manufacturer or technologist.

MIM’s flexibility and automation of Nuclear Medicine processing has made the change more manageable and has led to the successful adoption at all of our facilities.”

Breece Perry

Internal Process Coordinator—Molecular Imaging
INTERMOUNTAIN HEALTHCARE





WORKFLOW AUTOMATION

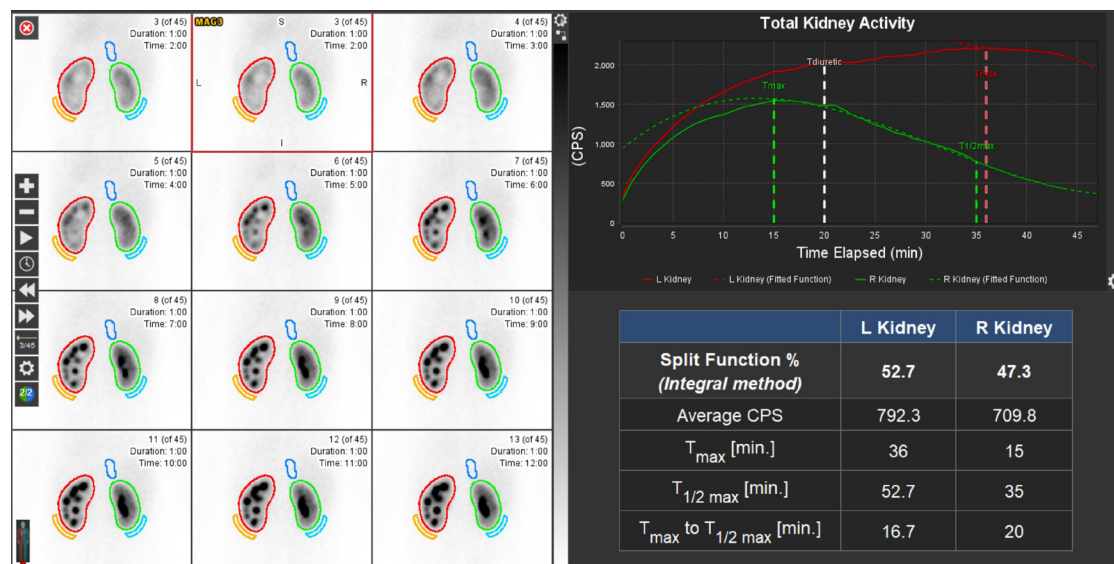
Workflow Automation

Refocus Staff Attention on Patient Care

Increase efficiency for technologists and physicians by using MIM Assistant to complete ordinary tasks. **Automatically fetch** prior imaging, send, archive, and delete data to spend more time on patient care.

Automate Routine Clinical Tasks

MIM Encore works in concert with the MIM Assistant to **automate image post-processing**, a time-consuming responsibility previously held by the technologists. MIM Encore can automatically reconstruct SPECT image data, generate regions of interest on most Nuclear Medicine study types, and prepare image displays for screen captures, all before a user opens the images.



Renal MAG-3 Analysis

MIM Encore helps with easy analysis of everyday exams, including automatic kidney delineation for MAG-3 scans.

Centralized User and Data Management

Effortless IT Implementation

MIM Encore is built to run on virtually **any hardware set up**. Servers can be virtual or real, making it easy for your IT team to set up and manage MIM Encore. Run MIM Encore as a stand-alone or as a PACS plug-in. Deploy MIM Encore as a thin client with Citrix® or VMware®.

Imaging Data is Secure and Accessible

Configure a central data store for image data that helps you avoid having PHI on client disk space. MIM Assistant runs on a **centralized server location** to host and manage image data.

Anticipate Changes to Clinical Data Storage Needs

Add storage as necessary without having to migrate to a larger disk. MIM Encore automatically rolls data over, saving your IT department the headache of migrating data.

Optimize the Interface to Fit Your Role

Integrated with your existing LDAP or AD profiles, MIM Software provides a **tailored user experience** that's geared to your role in the department.



IMAGE INTERPRETATION

Empower Clinical Decisions

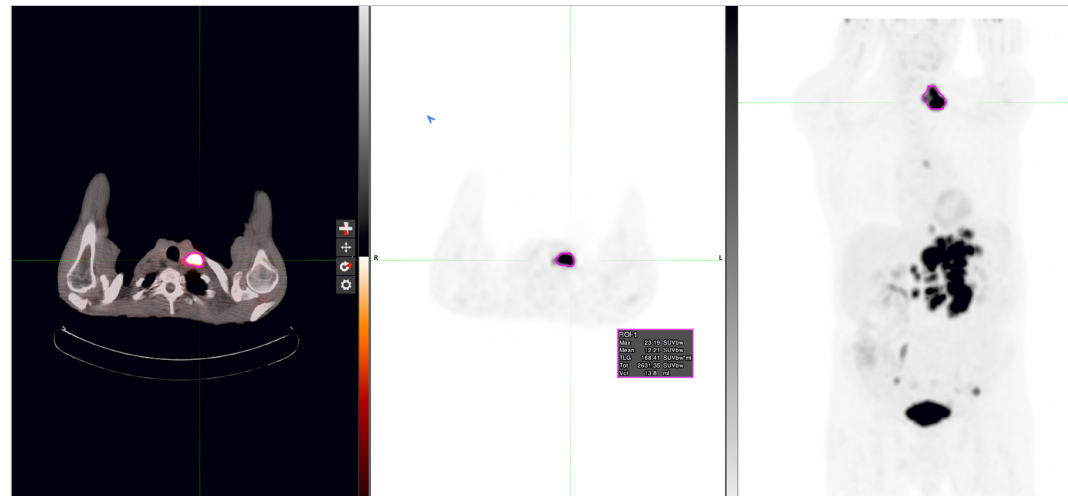
Experience Speed and Consistency

Custom reading workflows for PET/CT, PET/MR, SPECT/CT, and Nuclear Medicine in MIM Encore provide a tailored reading experience that helps expedite the clinical oncology image interpretation process.

Switch between **fuse images, multiple layouts, link studies automatically**, and **create screen captures** — all without having to click a mouse.

Adopt Emerging Radiotracers Without Delay

Image volumes are expected to rise thanks to emerging radiotracers. These new tracers have unique viewing and processing requirements that conventional viewing tools won't support. MIM Encore's **flexible design** is adaptable to these specialized PET reading needs and allows Nuclear Medicine departments to adopt new radiotracer techniques without any hassle.



PET Edge+ for Individual Lesion Segmentation

For low burden cases, MIM Encore includes PET Edge+, a proprietary, gradient-based segmentation method.

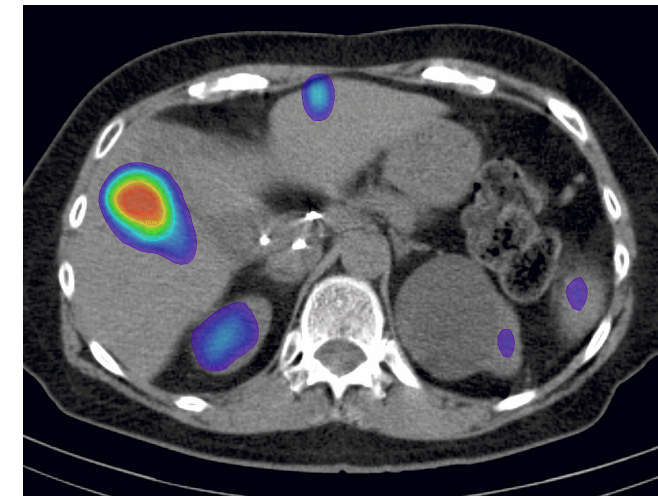
Provide Referrers with Latest Therapy Response Information

MIM Encore provides physicians with a full suite of segmentation tools that make it possible to capture and report the latest therapy response statistics. Proprietary tools like **LesionID®** and **PET Edge®+** are designed to help physicians capture MTV, SUV Peak, and TLG for high and low burden cases.

Capture the Dosimetry Opportunity

Patient-specific dosimetry is a valuable tool for demonstrating value and enhancing patient care. **MIM SurePlan™ MRT** and **MIM SurePlan LiverY90** make capturing dosimetry information clinically feasible by standardizing the process in a single, vendor-neutral solution. **Contour ProtégéAI®*** is included and offers deep-learning algorithms that expedite the segmentation process.

**Contour ProtégéAI may not be available in all countries. Please speak with your MIM Software representative to see if Contour ProtégéAI is available in your region.*



Patient-Specific, Voxel-Based Dosimetry

Voxel-based dosimetry for Radiopharmaceutical Molecular Radiotherapy is included with MIM SurePlan MRT.

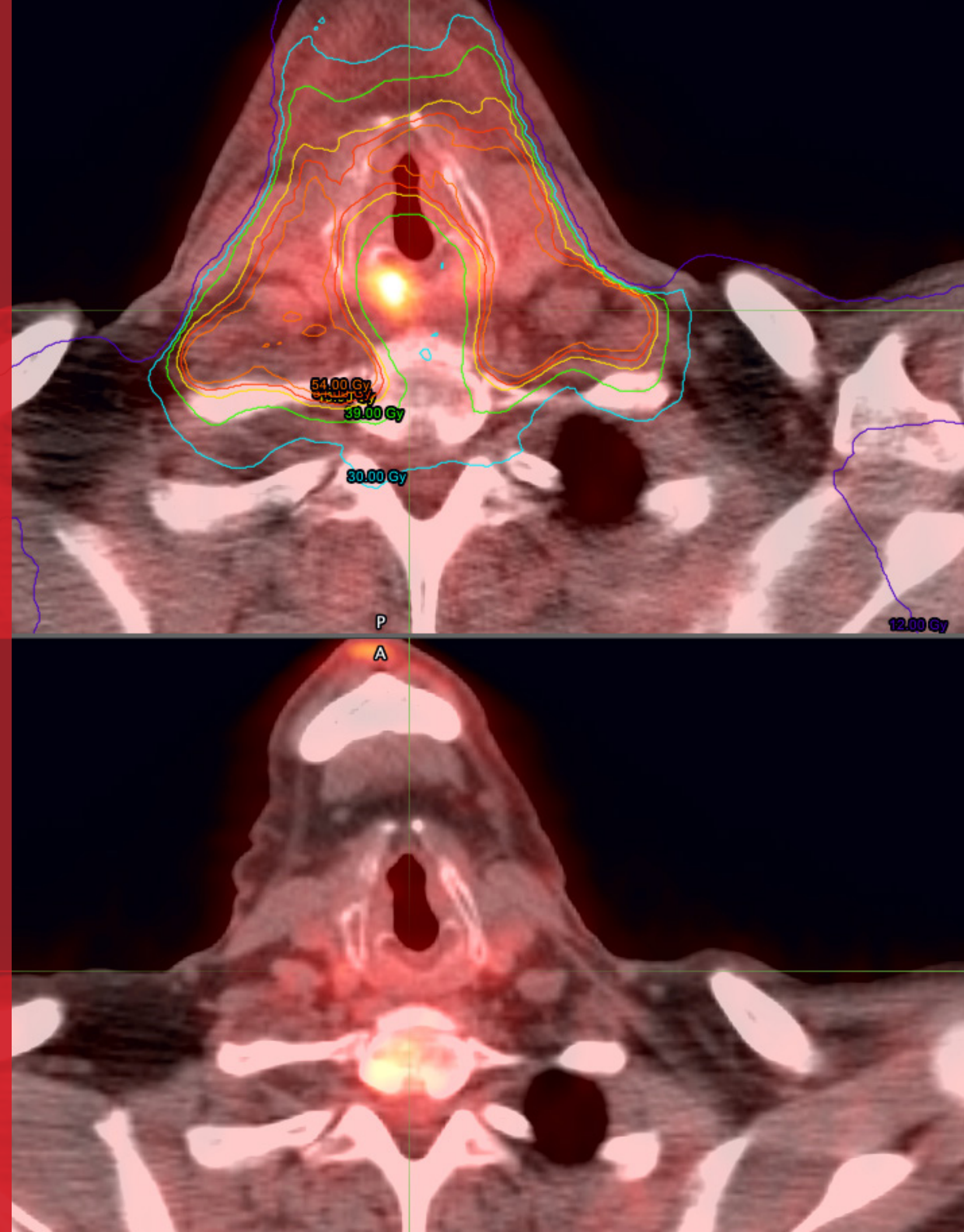


- 54 Gy
- 51 Gy
- 48 Gy
- 39 Gy
- 30 Gy
- 12 Gy

Improved Accuracy¹. Improved Confidence.

Reporting for post-radiation treatment patients is difficult without crucial information related to the treatment plan and treatment delivery. “Is the new area of uptake on the post-treatment PET/CT related to inflammation from the radiation, or is it recurrent disease?” Without a clear answer, this can leave you in an ambiguous reporting situation, or worse, a misinterpretation.

MIM Encore provides industry-leading viewing and segmentation tools for PET/CT and allows radiologists to integrate treatment plans seamlessly into their viewing protocols. MIM Assistant, MIM Software’s automation and data management software, brings this critical data to the end-user without disrupting the clinical workflow.



¹Am J Nucl Med Mol Imaging. 2019; 9(1): 24–29



SOLUTIONS FOR NEURO, CARDIAC AND REMOTE VIEWING

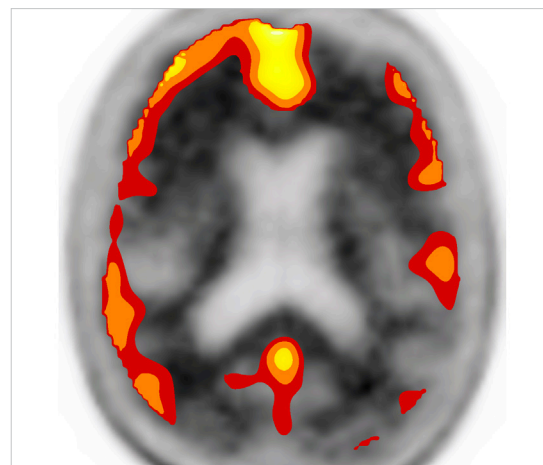
Specialized Neuro and Cardiac Quantitative Solutions

Comprehensive Neuroimaging Quantitation

MIMneuro® provides a single platform, vendor-neutral solution for image processing, reading, and reporting. Increase reader confidence with quantification by comparing to a normals database (**FDG, Amyloid, DaTscan, HMPAO, and more**). Image subtraction and dynamic neuroimaging quantification are also available.

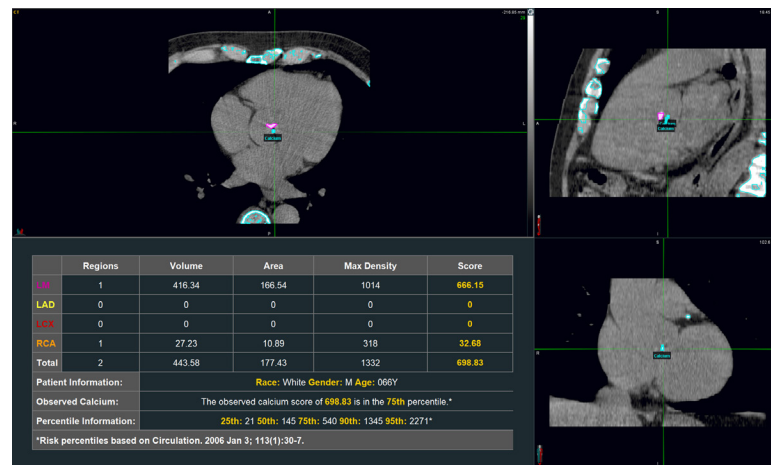
Increase Confidence with Cardiac Imaging Quantitation

MIMcardiac® includes reading workflows for viability, sarcoidosis, and stress/rest exams. The normals database available for quantitative comparison includes SPECT sestamibi. Quantitative options for **cardiac PET** and calcium scoring calculations* are included. MIM Software also supports integrations with both Cedars® and Invia® 4DM, allowing users to process, view, quantify, and report any Nuclear Cardiology study from within a single application.



Quantitative Image Analysis for Amyloid

MIMneuro includes voxel-based comparison to a normal database.



Calcium Scoring Support

Calculating calcium scoring is fast and accurate with MIMcardiac.

*May not yet be commercially available in your territory. Check with your MIM Software representative for more information.

Remote Solutions and Integrations

Full Image Access Anywhere

MIM Zero Footprint™ allows you to **securely access** all MIM Software products with the same licensed features you use in the clinic anywhere you have internet access. Unlike other products that often fail risk reviews, MIM Software takes a **zero-knowledge approach** to customer data.

Store, Share, and View

With more than a decade of use and innovation, MIMcloud® is a **secure**, internet-based medical image service that provides an **easily accessible** resource for storing, sharing, and viewing your data. Enhance teleradiology and multi-institution reading operations and utilize MIMcloud as a secure, long-term off-site storage backup.

Integrations

MIM Software supports a variety of **plug-in integrations** with many different PACS vendors. MIM Software also provides integration with PowerScribe® 360 to help improve reading efficiency and capture additional diagnostic information beyond conventional reporting templates.



Read from Anywhere

Flexible deployment options are available to support your image access needs with MIM Zero Footprint.



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